

COOLING DEVICE FOR DIODE PUMPED LASER

ABSTRACT OF THE DISCLOSURE

A cooling device for a diode pumped laser slab includes a plurality of stacked sapphire layers that partially absorb stray fluorescent light that is emitted from the laser slab. The layers include a plurality of fluid orifices and fluid channels that define a fluid pathway for a coolant medium. The coolant medium and sapphire layers cooperate to maintain the temperature of the laser slab below a predetermined temperature level.

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